PHILIP MORRIS U.S.A.

INTEROFFICE CORRESPONDENCE

Richmond, Virginia

To: **Dr. B. L. Nelson** **Date:** **November 7, 2000**

From: **Jennifer Amador**

Subject: **A literature search on smoking and its effect on the biomarkers: thromboxane, HDL, LDL, 8-epi-prostaglandin F2 alpha, malondialdehyde and fibrinogen and causality of disease**

In order to locate information on the effect of smoking on several biomarkers and the significance of these biomarkers and smoking on the cause of disease, a MEDLINE search was done.

When the biomarkers were searched singly, the citations usually contained references to one or more of the other biomarkers. Since some appear to be interrelated, one comprehensive search was done using the following search strategy:

Smoking[majr] AND (cause* OR causal*) AND (thromboxane b2 OR lipoproteins, HDL OR lipoproteins, LDL OR dinoprost OR malondialdehyde OR fibrinogen)[mh:noexp]

All years were searched which includes 1966 to the present. Dinoprost is the descriptor MEDLINE uses for prostaglandin F. A total of 27 citations was found and is attached for your review.

I am on the routing list for the journal Inhalation Toxicology. The most recent issue includes the following article (attached) which may be of interest. (It was not found in the search as it had not yet been completely indexed by MEDLINE.)

Durak I, Bingol NK, Ayci A, Cimen MY, Kacmaz M, Karaca L, Ozturk HS.

Acute effects of smoking of cigarettes with different tar content on plasma Oxidant/Antioxidant status.
Inhal Toxicol. 2000 Jul;12(7):641-7.

Attachment

DOC CODE:

Source: https://www.industrydocuments.ucsf.edu/docs/qlcl0001